

# WEST

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IBM Technical Disclosure Bulletins

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### Search History

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*DB=USPT,PGPB; PLUR=YES; OP=AND*

<u>L4</u>	12 and L3	6	<u>L4</u>
<u>L3</u>	(interleukin or il) adj 12 near6 (dna or nucleic adj acid or nucleotide or polynucleotide)	111	<u>L3</u>
<u>L2</u>	(t near3 independent or ti) near3 antigen	313	<u>L2</u>
<u>L1</u>	6303114.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

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- ☐ 1. [20020015693](#). 08 Aug 01. 07 Feb 02. IL-12 enhancement of immune responses to T-independent antigens. Metzger, Dennis W., et al. 424/85.2; 424/244.1 424/93.6 514/44 514/54 A61K039/09 A61K048/00 A61K031/715.
- 
- ☐ 2. [6488936](#). 10 Feb 99; 03 Dec 02. Immunogenic composition of interleukin-12 (IL-12), alum, herpes simplex viral (HSV) antigen, and method thereof. Mishkin; Eric M., et al. 424/229.1; 424/204.1 424/231.1 424/278.1 536/23.72. A61K039/245 A61K045/00.
- 
- ☐ 3. [6406705](#). 03 Jun 99; 18 Jun 02. Use of nucleic acids containing unmethylated CpG dinucleotide as an adjuvant. Davis; Heather L., et al. 424/278.1; 424/204.1 424/279.1 424/282.1 536/23.72 930/200 930/210 930/220. A61K045/00 A61K039/12.
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- ☐ 4. [6339068](#). 20 May 98; 15 Jan 02. Vectors and methods for immunization or therapeutic protocols. Krieg; Arthur M., et al. 514/44; 424/93.2 435/320.1 435/455 435/91.4 435/91.41 435/91.42. A61K048/00 C12N015/00 C12N015/88.
- 
- ☐ 5. [6303114](#). 05 Mar 98; 16 Oct 01. IL-12 enhancement of immune responses to T-independent antigens. Metzger; Dennis W., et al. 424/85.2; 424/184.1 424/190.1 424/198.1 514/12 514/2 514/54 514/8 514/885. A61K038/20.
- 
- ☒ 6. [5985264](#). 05 Mar 98; 16 Nov 99. IL-12 Stimulation of Neonatal immunity. Metzger; Dennis W., et al. 424/85.2; 424/184.1 424/191.1 424/204.1 424/234.1 424/264.1 424/269.1 424/85.4 530/350. A61K045/05 A61K039/00.
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Terms	Documents
l2 and L3	6

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(FILE 'HOME' ENTERED AT 11:21:55 ON 26 MAR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 11:22:09 ON 26 MAR 2003

L1 4564 S (T(3A)INDEPENDENT OR TI)(3A)ANTIGEN  
L2 813 S (INTERLEUKIN OR IL)(W)12(6A)(DNA OR POLYNUCLEOTIDE OR NUCLEIC  
L3 2 S L1 AND L2  
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> d bib ab 1-2 14

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:730497 CAPLUS  
DN 135:267231  
TI Methods using an immunostimulatory nucleic acid molecule for increasing a  
cytotoxic T lymphocyte response in vivo  
IN Raz, Eyal; Cho, Hearn Jay; Richman, Douglas D.; Horner, Anthony A.  
PA The Regents of the University of California, USA; Department of Veterans  
Affairs  
SO PCT Int. Appl., 91 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001072123	A1	20011004	WO 2001-US10118	20010328
	WO 2001072123	C2	20021227		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2002142977	A1	20021003	US 2001-820484	20010328
	US 6534062	B2	20030318		
	EP 1267618	A1	20030102	EP 2001-922852	20010328
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	US 2000-192537P	P	20000328		
	US 2000-203567P	P	20000511		
	US 2000-215895P	P	20000705		
	WO 2001-US10118	W	20010328		
AB	The invention provides methods for <b>T helper-independent</b> activation of an <b>antigen</b> -specific cytotoxic T lymphocyte response in an individual. The methods generally involve administering to an individual an immunostimulatory nucleic acid mol. in an amt. effective to increase an antigen-specific CTL response in the individual. The invention further provides methods for increasing chemokine secretion, which can block HIV infection.				
RE.CNT 2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:576809 CAPLUS  
DN 131:213112  
TI IL-12 enhancement of immune responses to **T-independent**  
**antigens**

IN Metzger, Dennis W.; Buchanan, Renee M.  
 PA The Medical College of Ohio, USA  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9944636	A2	19990910	WO 1999-US4679	19990304
	WO 9944636	A3	19991202		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6303114	B1	20011016	US 1998-35594	19980305
	CA 2322294	AA	19990910	CA 1999-2322294	19990304
	AU 9929809	A1	19990920	AU 1999-29809	19990304
	AU 747234	B2	20020509		
	EP 1059937	A2	20001220	EP 1999-911082	19990304
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002505303	T2	20020219	JP 2000-534237	19990304
	US 2002015693	A1	20020207	US 2001-924896	20010808
PRAI	US 1998-35594	A2	19980305		
	WO 1999-US4679	W	19990304		

AB The present invention relates to a method of modulating an immune response to a **T-cell** or thymus **independent antigen** in a host (e.g., mammalian, including human), comprising administering to the host an effective amt. of interleukin-12 (IL-12) and the **T-cell independent antigen**. In one embodiment, the present invention relates to a method of inducing an immune response to a **TI antigen** in a host (e.g., mammalian, including human), which comprises administering to the host an effective amt. of interleukin-12 (IL-12) and the **TI antigen**. In another embodiment, the present invention relates to a method of enhancing an immune response against a **TI antigen** in a host, which comprises administering to the host an effective amt. of IL-12 and the **TI antigen**. The methods of the present invention can be used, for example, to induce and or enhance a humoral immune response (IgG2a and/or IgG3 humoral immune response).

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